





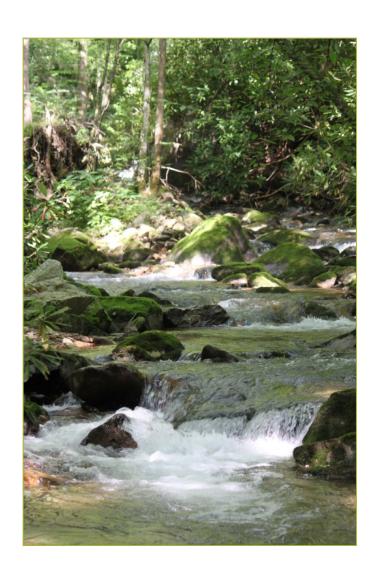
Setting Science-Based Objectives to Enhance Conservation Investments

David J. O'Neill Director, Eastern Partnership Office

South Atlantic Landscape Conservation Cooperative: October 2, 2012



PRESENTATION OUTLINE



- 1. NFWF 101: WHO WE ARE
- 2. CONSERVATION BUSINESS PLANNING PROCESS

- 3. ACHIEVING CONSERVATION
 AND COMMUNITY OUTCOMES
 - 1. CHESAPEAKE BAY
 - 2. LONGLEAF PINE



PRESENTATION GOALS

- 1. DEMONSTRATE THAT STRATEGIC PLANNING BASED ON SOUND SCIENCE DRIVES GOOD CONSERVATION & SOUND INVESTMENTS
- 2. DESCRIBE NFWF'S BUSINESS PLANNING PROCESS AND HOW IT IS DESIGNED TO DELIVER SPECIFIC CONSERVATION OUTCOMES AND LEVERAGE SUPPORT





ABOUT NFWF



WHO WE ARE

- ✓ Chartered by Congress in 1984
- ✓ 30 member Board appointed by Secretary of the Interior
 - Includes FWS Director & NOAA Administrator

WHAT WE DO

- ✓ Sustain, restore, enhance the nation's natural heritage
- ✓ Bring collaboration among federal agencies & private funders
- ✓ Create common ground among diverse interests

How WE Do IT

- ✓ Leverage private money with public funding 3:1
- ✓ On-the-ground conservation projects through grant making

ABOUT NFWF

Non-Federal Partners







Federal Government

- Appropriations
- Cooperative Agreements

- Corporations
- Foundations
- Private Donors
- States
- NGOs
- Mitigation & Settlements



Convener of focused, leveraged funding & leadership for priority wildlife & habitat conservation through grant making

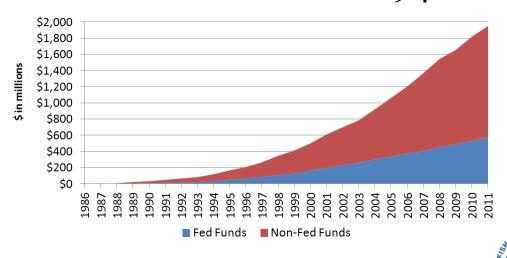




OUR RESULTS

Overview of NFWF Funds Invested			
	FY 2010	<u>FY 2011</u>	<u> 1984-2011</u>
Federal	\$40.4 million	\$45.9 million	\$576.0 million
Non-Federal	\$ 20.6 million	\$16.5 million	\$228.3 million
Grantee Match	<u>\$118.2 million</u>	<u>\$67.7 million</u>	<u>\$1.1 billion</u>
Total Funds Invested	\$179.2 million	\$130 million	\$1.95 billion
# of Grants Awarded	417	569	11,603

NFWF Cumulative Funds Invested 1984-2011



FEDERAL PARTNERS































CORPORATE PARTNERS



















































WALMART: ACRES FOR AMERICA

2005 Goal:

Permanently protect

138,000 acres of land
to offset Walmart's
domestic development
footprint through 2015







WALMART: ACRES FOR AMERICA

As of 2011:

- ➤ More than 630,000 acres protected
- > 19 projects in 15 states involving nearly 100 partners
- ➤ Walmart's \$10M leveraged an additional \$190M in matching funds
- Connected 6.7 million protected acres: an area larger than CT, RI and DE combined





NFWF'S CONSERVATION BUSINESS PLANNING

Criteria for Selecting Conservation Targets:

- > Conservation need
- Capacity to move the needle for target species
- Ancillary benefits to people and the environment
- Cost effectiveness

Priorities:

- Species of conservation value
- Places of greatest national ecological importance
- Issues driving declines in species of value

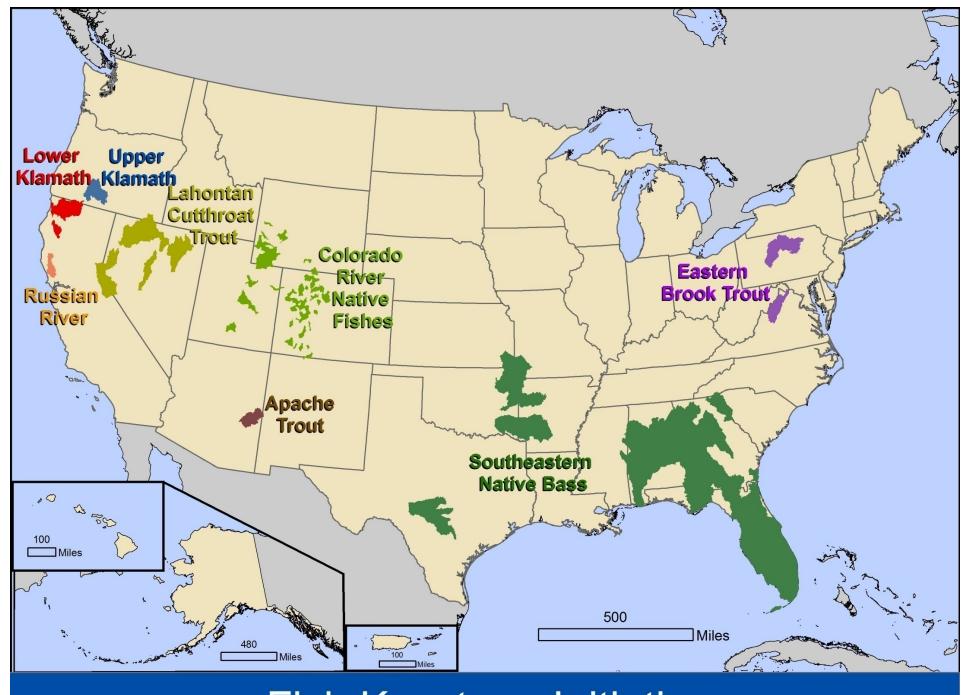
Success Measures and Timeframe:

- Measured as % change toward population goals for "indicator species"
- Preferred time frame 5– 10 years









Fish Keystone Initiatives



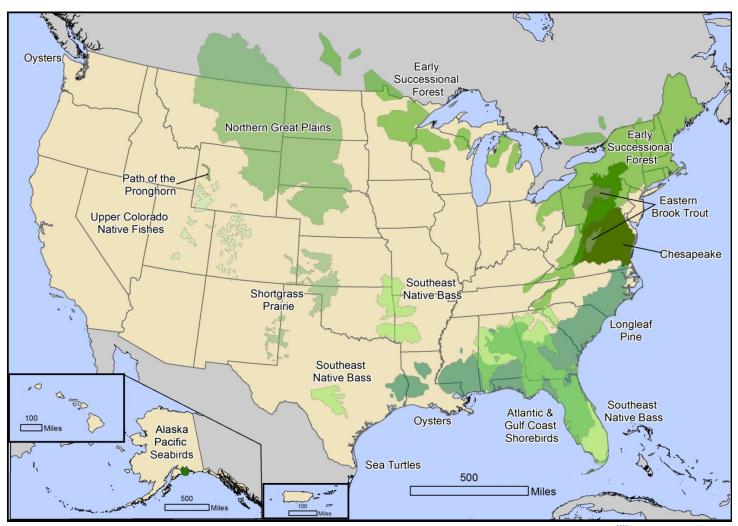
Wildlife and Habitat Keystone Initiatives



Marine Keystone Initiatives

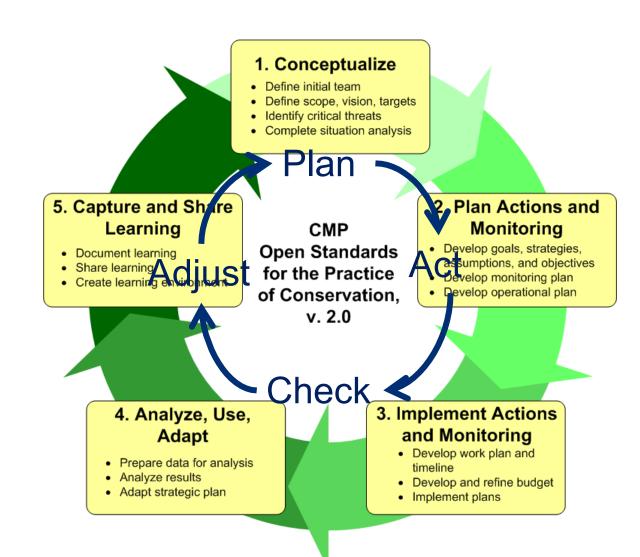


SELECT NFWF CONSERVATION PRIORITIES





Strategic Implementation of Conservation Priorities



Business Plans





Business Plan for Conservation of Birds In Southeastern Grasslands

A 10-Year Plan to Secure a Keystone Habitat

Center for Native Grasslands Management
Wildlife Management Institute
American Bird Conservancy
South Carolina Department of Natural Resources
National Fish and Wildlife Foundation
Fobruary 22, 2009



Species Outcomes

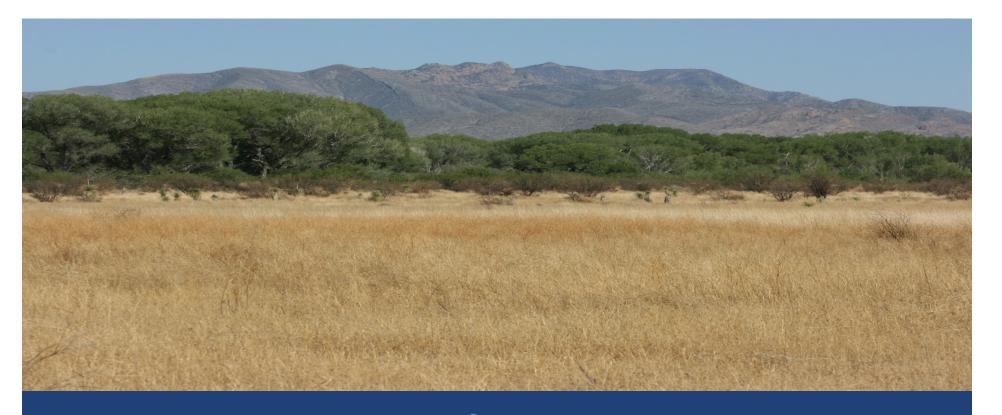




Scorecards







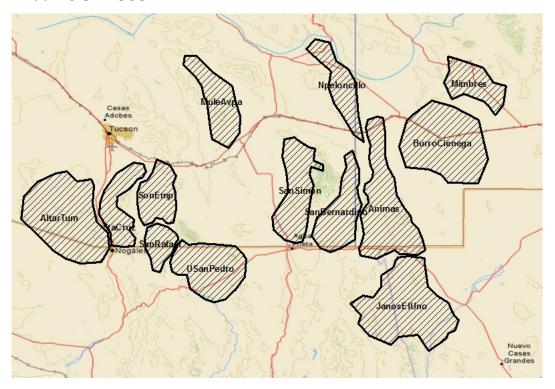
Conserving America's Grasslands and Prairies

Sky Islands Business Plan



Sky Islands Grasslands Initiative

Enhancing America's Grasslands Wilderness



Shown in black are priority landscapes for habitat protection, grassland restoration, and species recovery











125%

Scorecard: Sky Islands Grasslands

Initiative Duration:

2008 - 2013

(60% complete)

Species Outcome: Black-tailed prairie dog (Cynomys Iudovicianus) Goal: 2,485 acres occupied

26%

NFWF Funding

Initiative Investment:

39% Match Funding

\$2.7M

Chiricahua leopard frog (Lithobates chiricahuensis)

Goal: 7 new populations

Goal: 350 individuals added to herd

86%









Bison (Bos bison)

Goal: TBD

TBD

0%



Jaguar (Panthera onca)

Goal: TBD

TBD



Pronghorn (Antilocapra americana) Goal: TBD

TBD



Other Outcomes

Progress

Goal

Conservation Goals

3%

350,000 acres of



Restoring an Estuary
of National
Significance

Chesapeake Business Plan

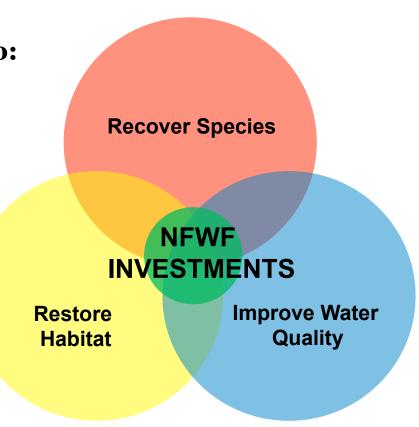


High Conservation Impact:

Strengthening our Investments in the Chesapeake Bay

With the business plan, we aimed to:

- •Build on Prior Successes
- •Accomplish WQ, Habitat and Species Goals Simultaneously
- •Support Latest Bay Strategy
- •Establish a Species Focus and Set Conservation Goals
- •Target Investments and Advance Technologies and Innovation





Prioritize Geographies for ConservationBase Maps

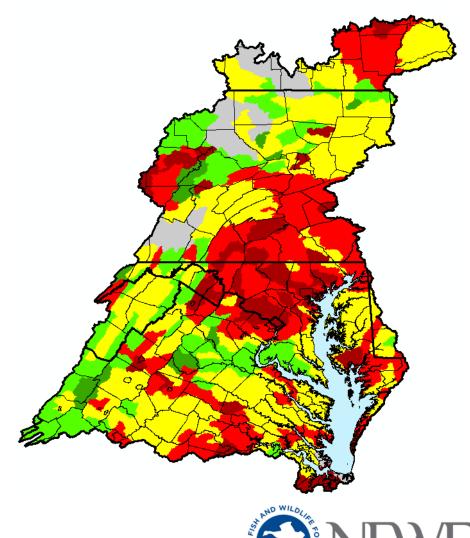
Stream Health

Source: U.S. EPA

Stream Health



We care most about streams that are "Poor" to "Good", eliminating "Excellent" and "Very Poor"

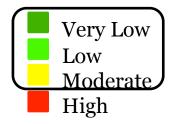




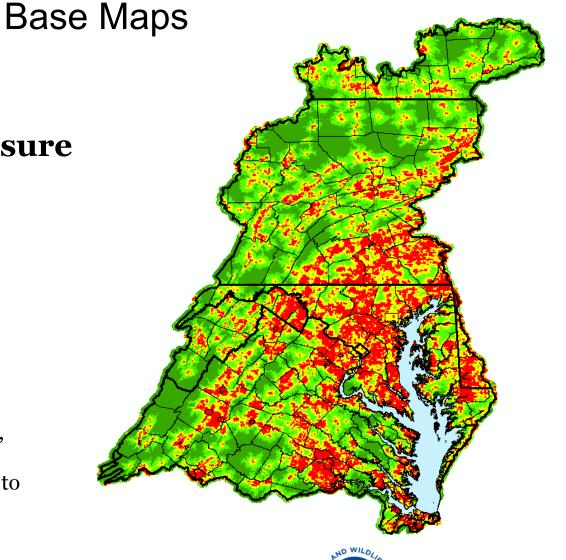
Vulnerability to Development Pressure

Source: USGS

<u>Development Pressure</u>

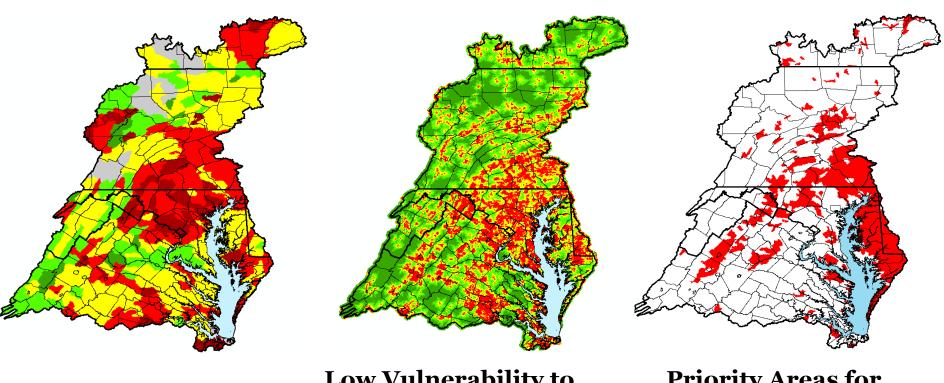


For agriculture and restoration, we want to make investments where the land use is not likely to change soon.



Base Maps **Priority Areas for Nitrogen** & Phosphorus Source: U.S. EPA Chesapeake Bay Program Office

Where do these criteria intersect?

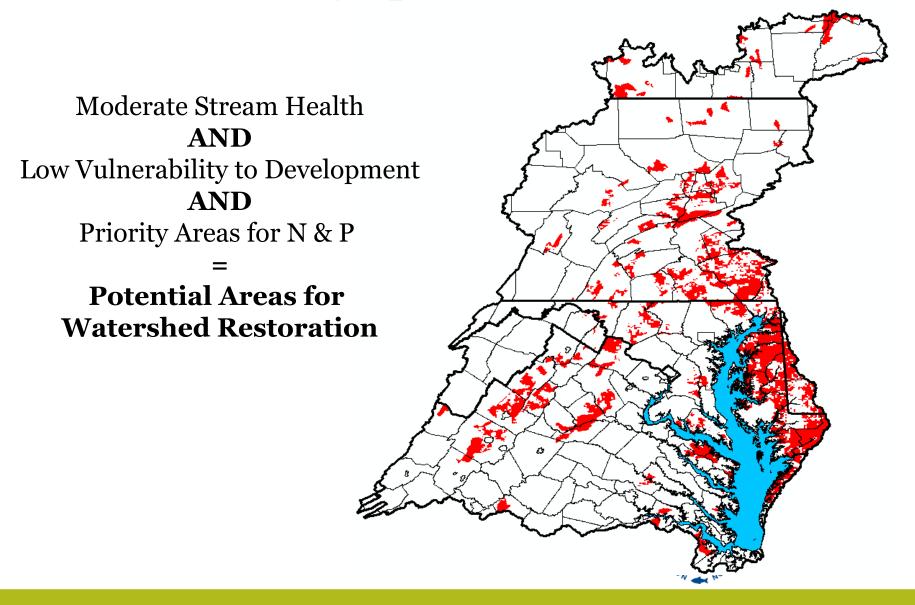


Moderate Stream Health

Low Vulnerability to Development Pressure

Priority Areas for Nitrogen & Phosphorus





Eastern Brook Trout





Eastern Brook Trout

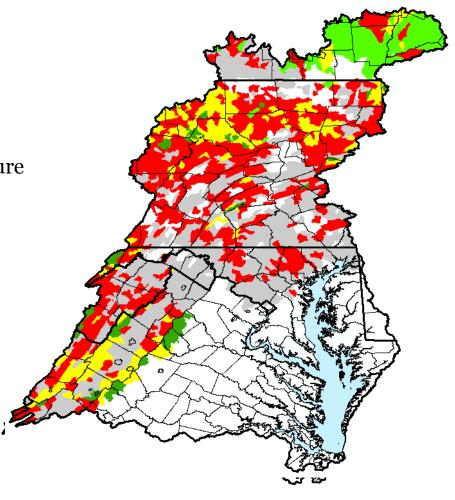
Eastern Brook Trout Population Status

Source: Eastern Brook Trout Joint Venture

Population Status

Present: Intact
Present: Qualitative
Present: Reduced
Present: Greatly Reduced
Extirpated or Absent
Unknown or Never Occurred

Let's also remove "Present: Intact" since protection is not the main goal of these funds.

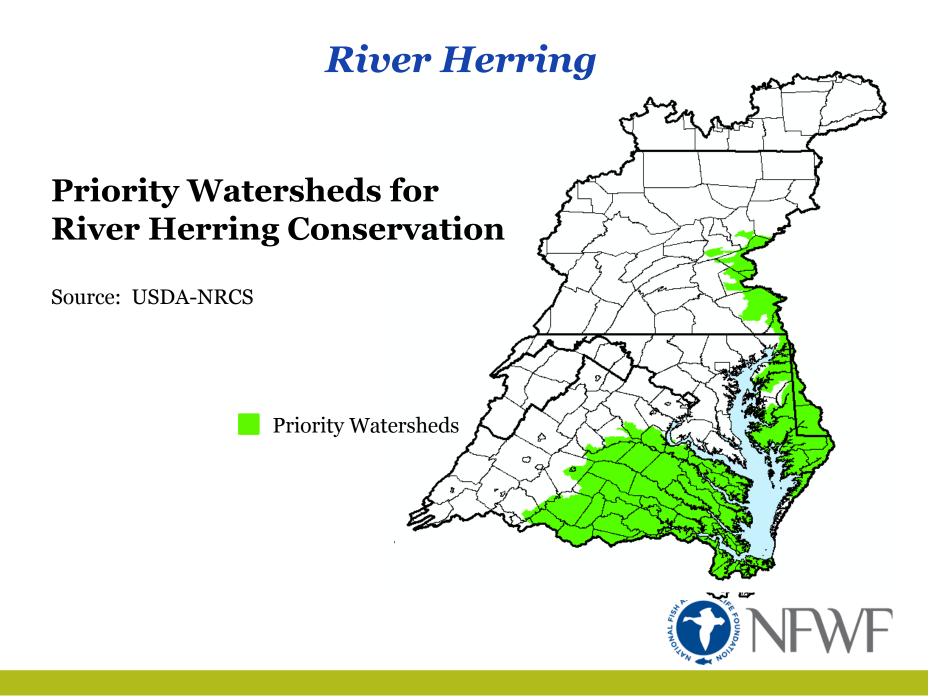


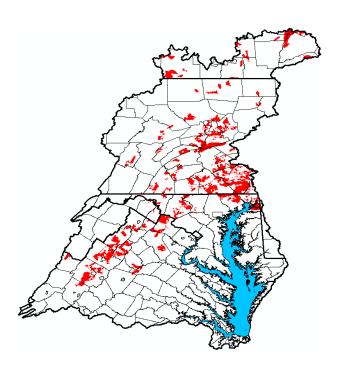


River Herring

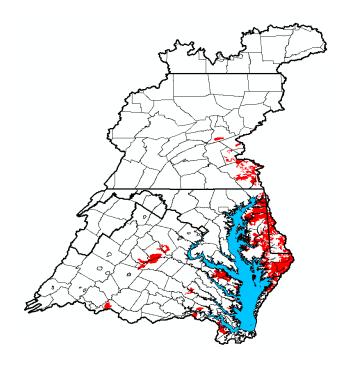








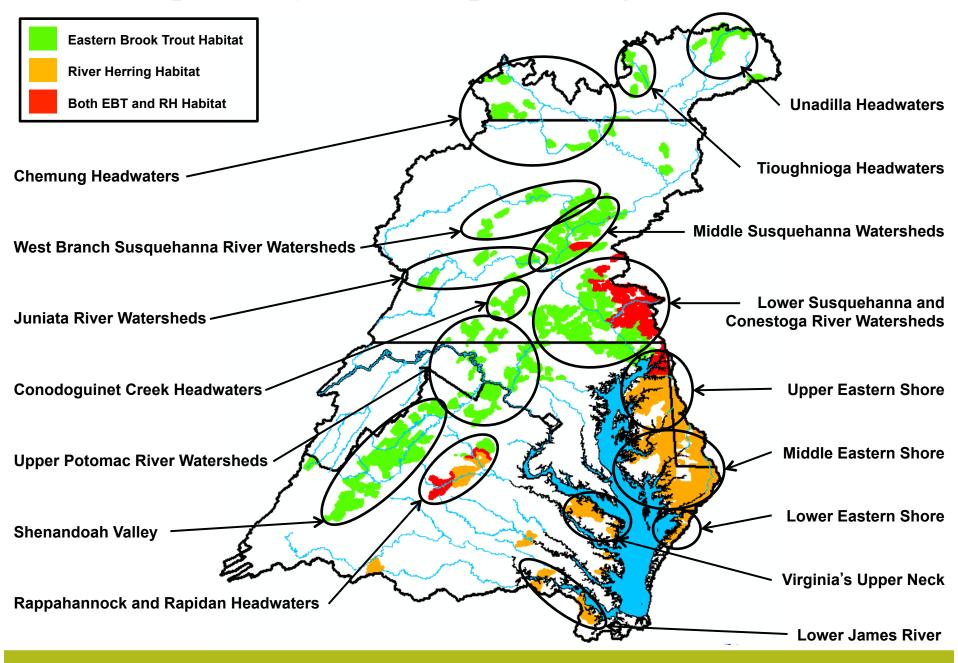
Investment Areas for Eastern Brook Trout



Investment Areas for River Herring



Chesapeake Bay Stewardship Fund Targeted Watersheds















US Army Corps of Engineers_®





















NATURAL RESOURCES











Stakeholder **Involvement**

Met with grantees, federal and state partners, NGOs, academics, consultants, grantees and funders...

... and we received extremely positive feedback & additional tools





Chesapeake Bay Scorecard

Species Outcomes:		Goal F	Progress	Initiative Duration: 2013 – 2025 (yr 0 of 12)
	Alewife Alosa pseudoharengus Blueback Herring Alosa aestivalis	200 additional miles of stream occupied	0% of goal	
	Eastern Book Trout Salvelinus fontinalis	Improve status of 12 subwatersheds New populations in 15 subwatersheds		
	Chesapeake Blue Crab Callinectes sapidus	215 million spawning-age females	0% of goal	
	American Oyster Crassostrea virginica	Restore populations in 5 subwatersheds	0% of goal	
Other Outcor	water Quality	Reduce Nitrogen pollution by 6.3M pounds Reduce Phosphorous pollution by 1M pounds	0% of goal 0% of goal	

Chesapeake Bay Scorecard (strategies)

Initiative Duration: 2013 – 2025 (vr. 0 of 12)

2025 (yr 0 of 12) Initiative Strategies:	Goals		Acheived	QUESTIONS/NOTES
Habitat Conservation:	TBD	Acres protected under long-term easement	0	
Habitat Restoration:	150	Acres of oyster reef restored	10	PLUS 56,715 ft Streambank/Shoreline Stabilized or
	400k	Acres of Land Restored	66	Restored. Does not include BMPs on Ag lands, nutrient mgmt, rotational grazing
	2,500	Miles of riparian buffer restored	177	
	30	Fish barriers removed	1	Why isn't this ft of upstream channel opened to fish passage?! That would be 68,640 ft.
	7,500	Acres of wetland restored	158	passage:: That would be 00,040 it.
Habitat Management:	2,000	Miles of livestock exclusion fencing installed	50	
Capacity, Outreach, Incentives:	TBD	Private landowners reached through technical assist.	182,943	"Landowners Targeted by Projects"
	50	Local govs with developed financing strategies	14	Would you consider all of the LGCBI grants as developing financing strategies?
Species-specific strategies:	2 billion	Oyster spat planted	40-50 million	
Planning, Research, Monitoring:	TBD	Key streams being monitored	TBD	
	100	Percent of prioritization of stream barriers complete	0	
	TBD	Research studies completed to develop innovative approach to establishing counts of migratory river herring	0	ARMO WILDLIAM
	2	Quota mgmt system for blue crab fishery	0	TOWNO TOWN TO THE PART OF THE



Restoring Southeast's Pines and Savannahs

Longleaf Stewardship Fund



PROGRAM OVERVIEW







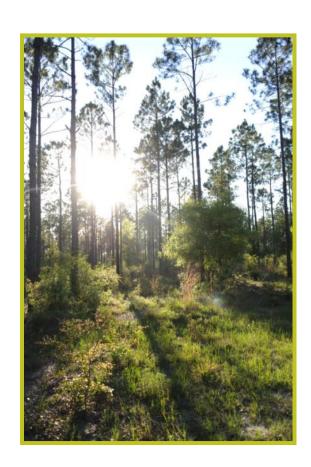
LONGLEAF STEWARDSHIP FUND?

A public/private partnership between...

- ➤ Southern Company
- Natural Resources Conservation Service
- ➤ US Department of Defense
- USDA Forest Service
- U.S. Fish and Wildlife Service

That will...

- ➤ **Build** on successful Southern Company Longleaf Legacy funded projects
- > **Support** NFWF's Southeast Grasslands Keystone
- ➤ **Accelerate** restoration of longleaf pine
- ➤ **Implement** the Rangewide Conservation Plan for Longleaf Pine
- ➤ **Support** commitments of the Longleaf MOU adopted by USDA, DOD and Department of the Interior



PROGRAM OVERVIEW



Why Southeast forests?

- > SE wood products contributes to more than 16% of the global industrial wood market
- Over 1M people are employed by wood-related sectors in the SE
- Forest products industry is the largest manufacturing employer in Alabama, South Carolina, and North Carolina



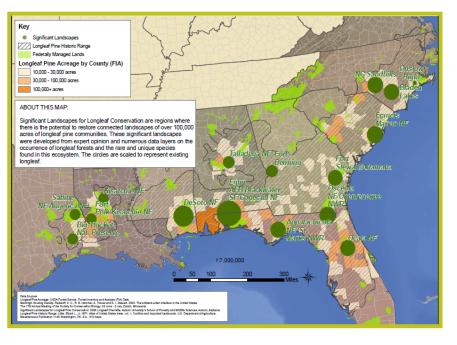
Why Longleaf?

- ➤ Longleaf once covered more than 90M acres across the SE
- ➤ It is a global biological hotspot and includes 29 T & E
- More plant species have been found in 1 sq meter of longleaf than in tropical forests
- ➤ Today, only 3% of the original acreage remains





LONGLEAF STEWARDSHIP FUND BUDGET PROJECTIONS



> Funding Sources are:

➤ Forest Service, NRCS, US FWS, Southern Company, NFWF, Other Corporate and Private Interests

➤ Conservation goals:

- restoring 250,000 acres of longleaf
- > enhancing 1,000,000 million acres
- > setting keystone species targets for RCW, Gopher Tortoise, Bachman's Sparrow, and Bobwhite Quail

➤ Total 5 year Budget Projections: \$25M + match

LONGLEAF STEWARDSHIP FUND CAROLINA LOW COUNTRY FORESTS

Geography.

• Spanning the coast from Beaufort, SC to Bladen Lakes, NC, the Low Country Forests boasts some of the richest coastal biodiversity in the U.S.

Biodiversity.

 The coast's longleaf savannas/rivers are home to 80 at-risk species, including red-cockaded woodpeckers, Bobwhite quail, black bears

Federal and State protected lands.

 ACE Basin National Wildlife Refuge, Francis Marion National Forest, Bladen Lakes State Park



The Carolina Low Country Forest is rich in biodiversity, intact forests and protected lands, but it also under threat to development pressure and changing forest economics.

LONGLEAF STEWARDSHIP FUND CAROLINA LOW COUNTRY FORESTS



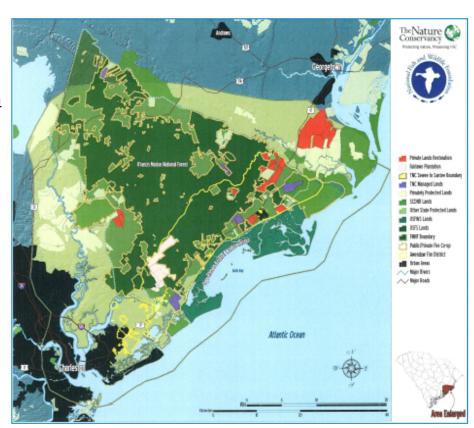
Near the Francis Marion National Forest, the 585,000 acre Black River landscape near Georgetown, SC presents an opportunity to conserve lands at a large-scale, protect and enhance threatened species and retain working forests.

- **Significant land holdings.** Low Country Forests include tracts of public/private land that serve as a system of hubs and corridors
- **Hubs.** Large federal, state & private protected lands, and TIMO and industrial forests, are rich in biodiversity and ecosystem services
- Seeking multiple benefits. Conserving, restoring and connecting these systems will provide conservation and economic benefits
- **Cross-cutting issues.** Focus on those key issues that transcend a specific geography but that limits conservation success.



LONGLEAF STEWARDSHIP FUND CAROLINA LOW COUNTRY FORESTS

- Anticipated 5-Year Conservation Outcomes:
 - **Restore 7,500 acres** of longleaf savanna
 - Enhance/maintain 50,000 acres of habitat
 - Increase populations of
 - Red-Cockaded Woodpeckers
 - · Bachman's Sparrow
 - · Coastal Black Bear
 - Expand conservation easements on
 20,000 acres of private lands
 - Seek to expand landowner incentives for working forests
- **Partners:** USFS, USFWS, NRCS, North and South Carolina Agencies, TNC, Turkey Federation, Partnership for Southern Forestland Conservation, Cape Fear Arch Collaborative





LONGLEAF STEWARDSHIP FUND 5 YEAR PROJECTIONS: SCENARIO 1

\$116.00 per acre

			Longleaf	Stewardsh	ip Fund				
	Enhance/Maintain								
Years	Annual Projected Budgets	Restore	Prescribed Burn	Mid-story/ ground cover			Planning/ Research/ Monitoring	Overhead (equals 10%)	
2013	\$ 3,905,000	\$ 1,000,000	\$ 1,100,000	\$ 250,000	\$ 900,000	\$ -	\$ 300,000	\$ 355,000	
2014	\$ 4,372,500	\$ 1,100,000	\$ 1,300,000	\$ 275,000	\$ 1,000,000	\$ -	\$ 300,000	\$ 397,500	
2015	\$ 4,620,000	\$ 1,150,000	\$ 1,400,000	\$ 300,000	\$ 1,050,000	\$ -	\$ 300,000	\$ 420,000	
2016	\$ 4,867,500	\$ 1,200,000	\$ 1,500,000	\$ 325,000	\$ 1,100,000	\$ -	\$ 300,000	\$ 442,500	
2017	\$ 5,115,000	\$ 1,250,000	\$ 1,600,000	\$ 350,000	\$ 1,150,000	\$ -	\$ 300,000	\$ 465,000	
Subtotals	\$ 22,880,000	\$ 5,700,000	\$ 6,900,000	\$ 1,500,000	\$ 5,200,000	\$ -	\$ 1,500,000	\$ 2,080,000	
2013	Acres/Staff #	3,636	27,500	417	14	C			
2014		4,000	32,500	458	15				
2015		4,182	35,000	500	16				
2016		4,364	37,500	542	17	C			
2017		4,545	40,000	583	18				
Total Acres	195,727	20,727	172,500	2,500	80				
Keystone Species			Projected	Outcomes					
Bachman's Sparrow		1	9,572 pai	rs		SYAN	WILDLIAM		
Bobwhite Quai			45 individ			THOMAL	ğ	NFV	

LONGLEAF STEWARDSHIP FUND 5 YEAR PROJECTIONS: SCENARIO 2

\$90 per acre

Longleaf Stewardship Fund								
			Enhance/	/Maintain				
Years	Annual	Restore	Prescribed	Mid-story/	Capacity/TA/Incentives		Planning/	Overhead
	Projected			ground			Research/	(equals 10%)
	Budgets			cover			Monitoring	
2013	\$ 3,850,000	\$ 800,000	\$ 800,000	\$ 250,000	\$ 850,000	\$ 500,000	\$ 300,000	\$ 350,000
2014	\$ 4,345,000	\$ 825,000	\$ 850,000	\$ 275,000	\$ 950,000	\$ 750,000	\$ 300,000	\$ 395,000
2015	\$ 4,620,000	\$ 850,000	\$ 900,000	\$ 300,000	\$ 1,000,000	\$ 850,000	\$ 300,000	\$ 420,000
2016	\$ 4,895,000	\$ 875,000	\$ 950,000	\$ 325,000	\$ 1,050,000	\$ 950,000	\$ 300,000	\$ 445,000
2017	\$ 5,115,000	\$ 900,000	\$ 1,000,000	\$ 350,000	\$ 1,100,000	\$ 1,000,000	\$ 300,000	\$ 465,000
Subtotals	\$ 22,825,000	\$ 4,250,000	\$ 4,500,000	\$ 1,500,000	\$ 4,950,000	\$ 4,050,000	\$ 1,500,000	\$ 2,075,000
2013	Acres/Staff #	2,909	20,000	417	13	15,000		
2014		3,000	21,250	458	15			
2015		3,091	22,500	500	15	25,500		
2016		3,182	23,750	542	16	28,500		
2017		3,273	25,000	583	17	30,000		
Total Acres	251,955	15,455	112,500	2,500	76			
Variations	Duais at a d							
Keystone Species	Projected Outcomes							
'	Outcomes							
Bachman's								
Sparrow		2	5,196 pai	rs				
Bobwhite			04 : 1: :					
Quail		50,3	891 individ	duals				



LONGLEAF STEWARDSHIP FUND 5 YEAR PROJECTIONS: SCENARIO 3

\$60 per acre

Longleaf Stewardship Fund								
			Enhance	/Maintain				
Years	Annual Projected Budgets	Restore	Prescribed Burn	Mid-story/ ground cover	Capacity/T/	A/Incentives	Planning/ Research/ Monitoring	Overhead (equals 10%)
2013	\$ 3,850,000	\$ 250,000	\$ 1,000,000	\$ 200,000	\$ 850,000	\$ 1,200,000	\$ -	\$ 350,000
2014	\$ 4,345,000	\$ 250,000	\$ 1,100,000	\$ 200,000	\$ 950,000	\$ 1,450,000	\$ -	\$ 395,000
2015	\$ 4,620,000	\$ 250,000	\$ 1,250,000	\$ 200,000	\$ 1,000,000	\$ 1,500,000	\$ -	\$ 420,000
2016	\$ 4,895,000	\$ 250,000	\$ 1,300,000	\$ 200,000	\$ 1,050,000	\$ 1,650,000	\$ -	\$ 445,000
2017	\$ 5,115,000	\$ 250,000	\$ 1,350,000	\$ 200,000	\$ 1,100,000	\$ 1,750,000	\$ -	\$ 465,000
Subtotals	\$ 22,825,000	\$ 1,250,000	\$ 6,000,000	\$ 1,000,000	\$ 4,950,000	\$ 7,550,000	Ş -	\$ 2,075,000
2013	Acres/Staff #	909	25,000	333	13	36,000		
2014		909	27,500	333	15			
2015		909	31,250	333	15			
2016		909	32,500	333	16			
2017		909	33,750	333	17	52,500		
Total Acres	382,712	4,545	150,000	1,667	76			
Keystone	Projected							
Species	Outcomes							
Bachman's Sparrow		3	8,271 pai	rs				
Bobwhite Quail		76,5	42 individ	luals				



QUESTIONS?

